

April 2, 2003

## MEMORANDUM

Subject: Inspire The Next Generation/Take Our Children To Work Day

Please consider sponsoring a child on April 24, 2003, to participate in **Inspire The Next Generation Day/TOCTWD** at the National Aeronautics and Space Administration (NASA) Wallops Flight Facility, Navy Surface Combat Systems Center (SCSC), and National Oceanic and Atmospheric Administration. Sponsors must be Federal or contractor employees. Contractors should contact their management to secure approval to participate. This event is sponsored by Wallops' Federal agencies and supported by the Federal Women's Program. **Inspire The Next Generation Day** provides girls and boys with an opportunity to see women and men working together and to explore non-traditional careers in the Federal workforce. Some work areas may not be appropriate for this activity; prospective sponsors should check with their supervisor(s) before agreeing to sponsor a child.

Participation in **Inspire The Next Generation Day** is open to young people in the fourth through twelfth grades. The day will start at 8:00 AM with the registration and welcome. All students and sponsors should report to the Cropper Center. (Leaving the Main Gate and heading toward the Marine Science Consortium, skip Yorktown Drive and turn right on Kearsage Circle. The Cropper Center is at the end of the straight part, just before the road begins to circle.) The student will then attend the workshop that he/she has chosen for the morning with their sponsors. All sponsors will be responsible for transporting and escorting their children at all times. (Transportation has been arranged for the NOAA and NAVY facilities for the morning only.) The morning activities will be over by 11:30 AM. Afternoon workshops will begin at 1:00 PM for students and sponsors, and the remainder of the afternoon is spent with the sponsor at his/her jobsite. An emphasis will be on the careers available with the government and the preparation required for these positions.

If you do not have a child in this age group, consider sponsoring a relative's or friend's child. If you wish to participate in this program, we'll need to receive the completed registration form no later than April 11, 2003. Programs will be filled on a first come, first served basis.

If you have any questions about **Inspire The Next Generation Day**, please contact Ed Parrott (824-1681).

Distribution:  
Wallops Flight Facility  
SCSC Civil Service/Military  
ATRCD Civil Service/Military  
NSWC/PHD  
NOAA



NASA, NAVY, and NOAA  
**INSPIRE THE NEXT GENERATION/  
TAKE OUR CHILDREN TO WORK DAY**

Thursday, April 24, 2003

**Registration Form**

*Instructions:* Please provide the following information to register yourself and a child to participate in the Wallops Island NASA/Navy/NOAA Take Our Children to Work Day. Schools are encouraged not to count this day as an absence for youth who participate.

**FOR THE SPONSOR:**

Name \_\_\_\_\_ Code/Company \_\_\_\_\_ Building \_\_\_\_\_ Extension \_\_\_\_\_  
will sponsor a child for Take Our Children to Work Day. I will be bringing:

Name: \_\_\_\_\_ Grade: \_\_\_\_\_ School: \_\_\_\_\_

**FOR THE CHILD'S PARENT(S) OR GUARDIAN(S):**

I give my permission for (Name) \_\_\_\_\_ to participate in Take Our Children to Work Day at NASA, NAVY, and NOAA, Wallops Island on Thursday, April 24, 2003.

Parent/Guardian Signature \_\_\_\_\_

Emergency Phone # \_\_\_\_\_

Date \_\_\_\_\_

I hereby grant the United States through NASA's Goddard Space Flight Center/Wallops Flight Facility and Navy's Surface Combat Systems Center, or National Oceanic and Atmospheric Administration (hereafter "Wallops Flight Facility") and also grant any other entity acting in association with Wallops Flight Facility, all rights in any photographic portraits and pictures taken of my child, which may be used in any form and for any purpose whatsoever, alone or with other materials. I agree that Wallops Flight Facility and such other entities may use such materials without my approval or review, whether before or after such use. I hereby waive any right of privacy I might have in such materials. I agree that neither I, nor anyone representing me, nor any of my successors or assigns, shall file any claim as a result of the taking or use of such photographic portraits and pictures authorized hereby. As the parent or guardian of the above-named minor, I consent to this Agreement and Release.

\_\_\_\_\_  
Parent's Signature

**FOR THE CHILD'S SCHOOL\*:**

I understand that (Name) \_\_\_\_\_, (Grade) \_\_\_\_\_, will be participating in Take Our Children to Work Day at NASA, NAVY, and NOAA, Wallops Island, on April 24, 2003.

- ☐ This will count as a field trip instead of an absence.  
☐ This will count as an excused absence.  
☐ This will count as \_\_\_\_\_.

Teacher/School Official Signature \_\_\_\_\_

Title \_\_\_\_\_

Date \_\_\_\_\_

***Return your completed form by April 11 to Debbie Stanley (E106), Ed Parrott (F-6),  
Pam Pittman (N-161), Debra Clark (NOAA), or Marilyn Ailes (Q-29)***

\* School concurrence is a convenience for the youth and parents, but is not required by the Government.

# ACTIVITY LIST

## Take Our Children to Work Day

### April 24, 2003

#### ***I. Morning Activities:*** Rank by order of preference.

- \_\_\_ **Environmental Engineering:** Learn about recycling and recycled content products. Make new items from trash and perform experiments on various recycled content products. You'll be able to take home your projects and what you learned.
- \_\_\_ **Marine Biogeochemistry:** Conduct a series of tests (dissolved oxygen, chlorine, chloride, pH, temperature, conductivity) to compare ground water, drinking water, and ocean water on a qualitative and quantitative basis. Examine phytoplankton, the base of the marine food web, and learn their importance in relation to global change and their role in the global carbon cycle.
- \_\_\_ **NOAA:** Take a tour of our station to see technicians working with GOES (Geostationary orbiting environmental satellites), POES (Polar orbiting environmental satellites), and positioning antenna(s) for tracking satellite(s). See real-time data through infrared (IR) images that provide information about the temperature of the clouds and the Earth's surface. Observe how computers are used to control the GOES satellites and antennas and how the satellite images are processed, annotated and displayed. You will receive picture images of the Earth's surface from GOES satellites to take home with you.
- \_\_\_ **Programming Robotics:** Program a robot's sensors and motion to solve engineering problems.
- \_\_\_ **Rescue & Weapons:** Learn how our local heroes work: fire, emergency, rescue, spill control, and decontamination. Then run a mock battle scenario in an AEGIS ship's Control & Information Center. Tour the SCSC weapons testing and engineering facility, including virtual reality labs, the ship's bridge, and a teleconferencing center.
- \_\_\_ **Space Shuttle Educational Projects:** Students will learn about the Space Experiment Module (SEM) and Get Away Special (GAS) programs that fly educational experiments in the cargo bay of the Space Shuttle. In addition, students will have the opportunity to prepare and integrate an experiment into one of the SEM experiment modules that may fly on a future Shuttle mission.

#### ***II. Lunch:*** (With your sponsor)

- ☐ \_\_\_ We will eat lunch at the Navy galley (cost is \$3.25).
- ☐ \_\_\_ We will eat lunch at the NASA cafeteria (cost varies).
- ☐ \_\_\_ We will eat lunch elsewhere.

**III. Afternoon Activities:** Rank in order of preference the activities in which you wish to participate. The sponsor is responsible for transportation.

☐ Stay with Sponsor: \_\_\_\_\_ (Amount of time)

- \_\_\_\_\_ **Flight Modem Demonstration:** Hands-on workshop to learn about data communications with rockets and other vehicles
- \_\_\_\_\_ **GPS Mapping Demonstration:** Mapping, data collection, processing data using AutoCAD, an advanced design program.
- \_\_\_\_\_ **NASA's Tracking Station:** Learn about sub-orbital rockets that go up and must come down, orbital satellites that go into Outer Space and beyond, and meteorological balloons that predict the weather.
- \_\_\_\_\_ **Catch the Wind!** Build your own sled kite and watch it soar in the sky. Learn how to use a clinometer and simple trigonometry to calculate your kite's altitude.
- \_\_\_\_\_ **Programming Robotics:** Program a robot's sensors and motion to solve engineering problems.
- \_\_\_\_\_ **Tour of NASA's control center:** Participate in a mock launch at the consoles where launches are monitored and directed.
- \_\_\_\_\_ **Ultra-Long Duration Balloons:** See a small balloon and learn about the inflation process. Handle the materials which make these balloons, and watch a 5 minute video of a launch. You may even see the ground station.
- \_\_\_\_\_ **Weather Balloon Launch:** Learn about weather balloons and participate in a launch.

**IF SECURITY CONDITIONS WARRANT,**  
**"TAKE OUR CHILDREN TO WORK DAY" MAY BE**  
**POSTPONED TO ANOTHER DATE.**

**A PARENT OR SPONSOR WITH A WALLOPS**  
**PHOTO BADGE MUST ACCOMPANY CHILDREN ON**  
**THE WALLOPS FLIGHT FACILITY AT ALL TIMES.**

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*For Government Use Only*

Date received: \_\_\_\_\_ Track: \_\_\_\_\_

PM: \_\_\_\_\_

Wallops Flight Facility Health Unit

Optional Authorization to Provide Medical Care for Minor Children

(If option desired, return by April 10, 2003.)

Minor children under 18 years old who are not emancipated\* cannot receive medical care for non-emergency medical conditions in the absence of written authorization from a parent or legal guardian. (\* An "emancipated minor" is an individual under 18 years of age who is legally independent of his/her parents and is thus viewed as an adult for purposes of consent for medical treatment.)

Initial treatment, stabilization and necessary transport to the nearest appropriate emergency medical facility will be provided in the acute medical emergencies under the doctrine of implied consent, which assumes that a reasonable person would authorize immediate emergency care without waiting until a parent or guardian can be located in a situation where a delay in treatment could adversely affect the outcome of the treatment.

I, \_\_\_\_\_ authorize  
(Print name or parent/guardian)

\_\_\_\_\_ and the medical staff at the Wallops  
(Print name of sponsor, if different) Flight Facility Health Unit

to obtain and/or provide treatment for \_\_\_\_\_  
(Print name of minor child)

Your relationship to the minor child: \_\_\_\_\_

Parent/Guardian's daytime phone #: \_\_\_\_\_

Parent/Guardian's evening phone #: \_\_\_\_\_

List any and all existing medical conditions for the child:

\_\_\_\_\_  
\_\_\_\_\_

List any allergies the child has:

\_\_\_\_\_  
\_\_\_\_\_

Parent/Guardian Signature: \_\_\_\_\_ Date: \_\_\_\_\_